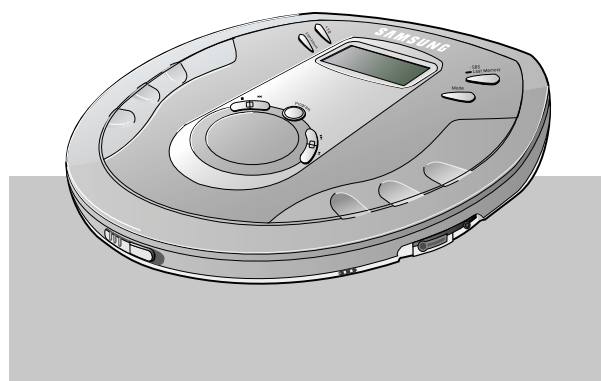




Portable MP3-CD Player
MCD-SM60
MP3-CD/CD-R/RW Playback

Instruction Manual



AH68-01001R

Main Features

SBS function

The SBS function produces rich, deep bass tones for a more powerful overall sound.

Random function

The Random function allows you to play tracks in random order.

Album function (MP3-CD Only)

The Album function allows easy browsing and searching of your favorite tunes by album name, song title and artist.

ESP function

The ESP function ensures high resistance to shock or vibration so that the sound signal remains undisturbed (up to 120 seconds for MP3 and 45 seconds for a CD).

Last Memory function

The Last Memory function allows you to listen to a song part way through, and then resume listening again at the point just before where you left off - handy for when you have to answer the phone or door.

What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

- The unit will playback files created in MP3 format (Mpeg1.Layer 3) with *.mp3 as their extension.
- Files created in MP2 format (Mpeg1.Layer2) with *.mp2 as their extension can also be played back.

How many MP3 files can a CD-R or CD-RW disc record?

- The maximum capacity of one CD-R or CD-RW disc is 680MB. Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 files can be recorded on a single disc.

1

Contents

Safety Warning	3
Buttons and Controls	5
Preparation before using your unit	9
• Using the AC adapter (not supplied)	9
• Using the rechargeable batteries (not supplied)	10
• Using standard batteries (not supplied)	11
CD Playback	12
MP3-CD Playback	13
Skip/Search function	14
Mode function	15
SBS/Last Memory function	16
ESP/Album function	17
+10 button	17
Program function	19
• To confirm the program	20
• To change the program	20
• To cancel the program mode	20
Features	21
Maintaining and looking after your unit	22
Troubleshooting Guide	23
Specification	24



2

Safety Warning

Take care not to allow dust or other contaminants to come into contact with your player.



Do not put anything other than a CD (CD-R or CD-RW) inside your player.

- Such actions will damage your player.



Do not touch the lens with your finger or scratch it.

- Your player may not operate properly.



Do not apply heavy pressure to the player.



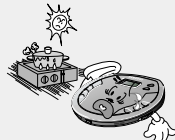
Do not use broken or scratched MP3 CDs.



Do not place your player in a dusty or humid location.



Do not leave your player in direct sunlight or near a heat source.



Do not use your player on uneven or unstable surfaces.

- Your player may not operate properly.



Do not attempt to take apart, repair or modify your player.

- Such actions will damage your player.



Headphone

Road safety

- Do not use the headphones while riding a bicycle, driving any kind of motor vehicle or motorcycle. This is very dangerous and is illegal in certain regions. It is dangerous to listen to headphones at high volume while crossing roads.

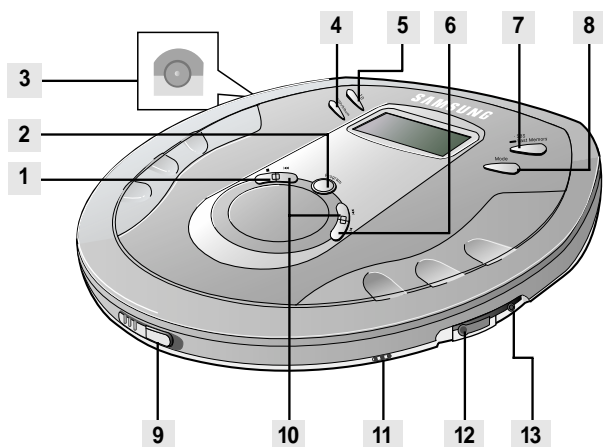
In order to protect your hearing

- Do not wear the headphone with the volume set too high. Doctors state that listening to music at high volume for prolonged periods is harmful to hearing.
- If you experience a ringing in your ears, reduce the volume or stop listening.

Environmental information

- Your unit consists of materials which can be recycled if disassembled by a specialized company. Please observe local regulations regarding the disposal of packing materials, exhausted batteries and old equipment.

Buttons and Controls



1. STOP button (■)

2. Program button
(Refer to pages 19, 20)

3. Power Input Jack (Refer to page 9)

4. ESP/Album button
(Refer to pages 17, 18)

5. +10 button (Refer to page 17)

6. Play/Pause button (▶▶)

7. SBS / Last Memory button
(Refer to page 16)

8. Mode button (Refer to page 15)

9. Open switch

10. Skip/Search buttons (◀◀ ▶▶)
(Refer to page 14)

11. Volume

12. Headphone Connection jack
(Refer to page 9)

13. Line Out output jack
(Refer to page 9)

Accessories

5



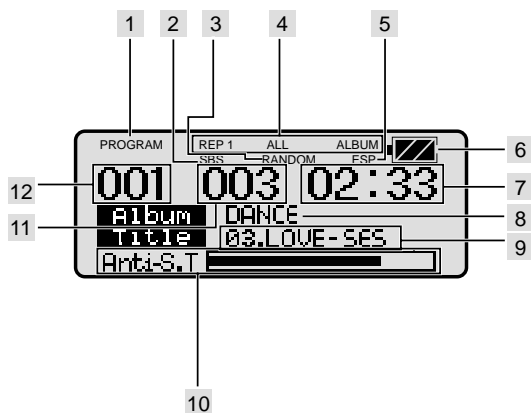
Headphones

6

Buttons and Controls

Display

The picture of the display panel below is based on MP3-CD playback.



1. PROGRAM indicator

2. SBS Indicator

3. RANDOM indicator

4. REPEAT indicator

5. ESP Indicator

6. Remaining Battery Power indicator

7. Playtime indicator

8. Album Name indicator
(MP3-CD Only)

9. Title (track title & artist) indicator
(MP3-CD Only)

10. Anti-S.T. (Anti-shock Time)
Buffer Level meter

11. Track Number indicator

12. Album Number indicator

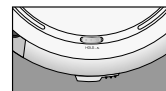
Hold function

•Buttons pressed during CD playback will not function.
(On the display, the "HOLD" indicator will flash.)

•Use the HOLD function when carrying your CD Player around with you.

Use of this function will allow you to conserve battery life as it prevents the CD Player from being turned on unintentionally if a button is pressed.

Bottom of the Main Unit



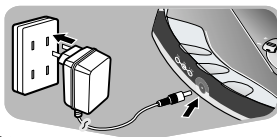
Preparation before using your unit

Using the AC adaptor (not supplied)

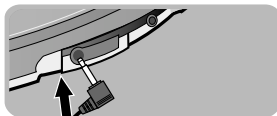
- 1 Connect the AC adaptor to the power input jack. Then, connect the AC plug of the adaptor to the AC outlet.

- Only use the AC adaptor supplied with your product.

➤ When you are not using this product, disconnect the AC adaptor from the AC outlet.



- 2 Connect the headphone jack plug to the main unit.



Connection to External Device (if necessary)

* Your CD Player may be connected to the AUX IN jack of an external device

1. Reduce the volume of the external device
2. Connect the Line Out jack to the Input jack of the device with connection cable (not supplied).

9

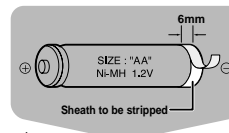
Using rechargeable batteries (not supplied)



- 1 Strip the sheath covering the terminals of the rechargeable battery before charging it.

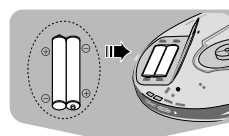
- As shown in the illustration, carefully strip the sheath of the negative (-) terminal by 6 mm.

➤ If the sheath is not stripped, charging will not function.



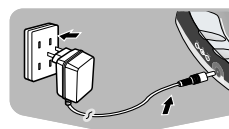
- 2 Insert the batteries into the batteries compartment.

- Carefully check the correct orientation of the positive and negative terminals of the battery.



- 3 Connect the AC adaptor to the AC outlet and power input jack.

- Charging of the rechargeable batteries will commence.



Note

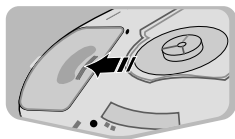
- Time taken to fully charge the battery : 10 hours
- Battery life of fully charged battery
MP3-CD : 10 hours, 30 minutes max.
CD : 12 hours max.

10

Preparation before using your unit

Using standard batteries (not supplied)

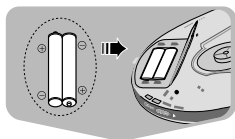
- 1 Open the cover of the battery compartment.



- 2 Carefully check the correct orientation of the positive and negative terminals of the batteries.

• Use two AA type 1.5 V batteries.

➤ Use two AA alkaline batteries. Manganese batteries have a shorter battery life.



Battery Life (Using alkaline batteries)

- MP3-CD : 13 hours max.
- CD (When ESP is Off) : 16 hours max.
- CD (When ESP is On) : 14 hours 30 minutes max.

Time for Battery Replacement

- Replace the batteries if the remaining battery power indicator " " flashes.
- Even though the remaining battery power indicator " " may be flashing, if the batteries have already expired, the LCD remote control will not be lit.
- Should " " flash, the player will automatically turn off the CD ESP ON mode to conserve battery power consumption.

Warning

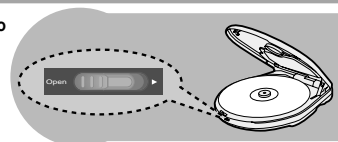
- Do not mix old and new batteries.
- Remove the batteries if they will not be used for a long time.
- Remove the standard batteries when you use an AC adapter.

11

CD Playback

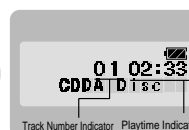
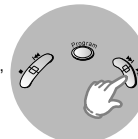
- 1 Slide the OPEN button to open the door.
Insert a CD.

• Push the door to close it.



- 2 Press the Play/Pause (▶||) button.

• Once the CD is recognized, playback commences.



Track Number Indicator Playtime Indicator

- 3 To stop playback, press the Stop (■) button.

• Press the Stop (■) button again to switch off the unit.



To temporarily pause playback

Press the Play/Pause (▶||) button.

- Playback will be temporarily suspended.
- Press the Play/Pause (▶||) button again to resume playback.

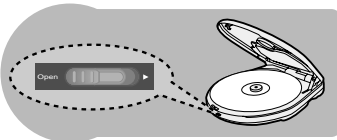


12

MP3-CD Playback

1 Slide the OPEN button to open the door, and insert an MP3-CD.

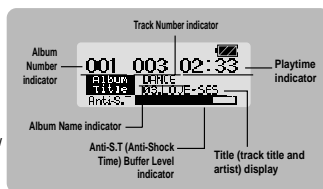
- Push the door to close it.



2 Press the Play/Pause (▶||) button.

- The inserted MP3-CD will be scanned for about 30–90 seconds. Playback will then commence.

➤ Your CD Player will take a few moments to scan through all the tracks recorded on a MP3 CD.



3 To stop playback, press the Stop (■) button.

- Press the Stop (■) button again to switch off the unit.



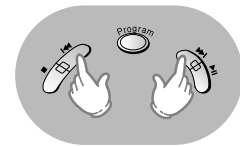
Skip/Search function

Skip

Press and release the ◀◀ or ▶▶ button during playback of a CD.

- Press the ▶▶ button to play the next track. Press the ◀◀ button to go back to the beginning of the current track. (Briefly press the ◀◀ button twice to repeat the previous track).

- Press the ▶▶ button while the unit is in "Stop" (no playback) mode. Track 2 will be played back. Press the ◀◀ button to play back the previous song.



Search

Press and hold the ◀◀ or ▶▶ button during playback of a CD.

- Press and hold the ◀◀ or ▶▶ button. The CD will playback in fast forward or fast reverse mode.
- Release the button to return to normal playback mode.

Note • When the OPEN switch is slid to open the door, playback will stop.

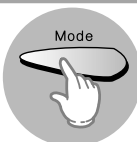
Mode function

Briefly press the Mode button to activate the Repeat function or hold it down for longer to activate the Random function.

Repeat function

Press the Mode button.

- Each time the button is pressed, **REP1**, **REP ALBUM** and **REP ALL** are selected. (REP ALBUM mode only works for MP3-CD disks which contain albums.)

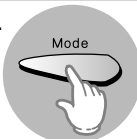


REP1	allows you to repeat the current track.
REP ALBUM (MP3-CD only)	allows you to repeat all tracks in the current album.
REP ALL	allows you to replay the entire CD once it has finished playing.

Random function

Press and hold the Mode button.

- All tracks will be played back in random order.
- To cancel this function, press and hold the button again, or press the STOP (■) button.

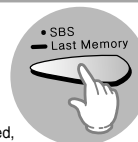


SBS/Last Memory function

Briefly press the **Last Memory/SBS** button to activate the SBS function or hold it longer to activate the Last Memory function.

SBS (Super Bass Sound) function

This function allows you to maximize your listening enjoyment with dynamic reproduction of low-pitched sounds.



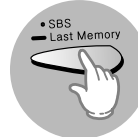
Press the SBS button.

- Each time the SBS button is pressed, SBS will be turned on and off alternately.

Last Memory function

This function is only available during playback of an MP3-CD.

When MP3-CD playback is selected again after your CD player has been stopped or turned off, the unit plays back from the start of the track that you last listened to.



- Press and hold the Last Memory button. Each time the button is pressed and held, the selection switches between "On Last.M" and "Off Last.M".

ESP/Album function

ESP (Electronic Skip Protection) function

ESP prevents the music being interrupted by vibration and shock.

Press the ESP/Album button.

•**CD Playback:** Press the ESP/Album button to turn this function on and off. (During playback of an MP3-CD, ESP will always be active whether or not the ESP/Album button is pressed.)

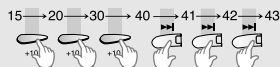
•The player buffers up to 120 seconds of MP3 and 45 seconds of audio CD data; hence even if the data flow is interrupted, data is read from memory so that the sound signal remains undisturbed.

•While listening to music, the Anti-S.T (Anti-Shock Time) Buffer Level is automatically saved.



+10 button

Press the +10 button.



•Press the +10 button briefly while playing back a CD. Playback will skip 10 tracks.

Example : If you want to select track 43 during playback of track 15, press the +10 button three times, then press the ►►I button three times.

•**MP3-CD playback :** Press and hold the ESP/Album button longer to select "Album Off". The button now functions as the +10 button.

Album Function

•This function is only available during playback of an MP3-CD. Albums are sections of tracks representing one artist. This function makes it easier to skip between them.



Press the ESP/Album button.

•It moves to the next album.

Example) Pressing the ESP/Album button during playback of the first album will take you to the start of the first track of the second album.



•This player is equipped with a graphic LCD that supports the English language.

•Tag information is displayed for those files containing them. Otherwise, the file name is displayed.

•When writing your own MP3-CDs, we recommend using English for tag information as well as file names.

•Languages other than English will be marked with an asterisk "**".

Press and hold the ESP/Album button.

•Each time the button is pressed, the selection toggles between "On Album" and "Off Album".



•If "Off Album" is selected, the album playlist changes to the title playlist.

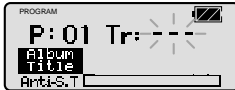

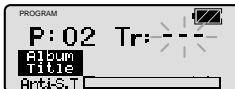

Note

•This function does not apply to MP3-CDs that have not been created with albums.
•If a file is defective and cannot be recognized, the player skips to the next one.

Program function

You can store up to 30 tracks of your favorite tunes.

Example: When storing track number 15 to program number 1.

- 1 From Stop mode, press the Program button on the main unit.
 
- 2 Using ◀◀ or ▶▶ or +10 button, select the desired track.
 
- 3 Press the Program button.
 - Track number 15 is stored under program number 1 and you will be taken to program number 2.
 - Continue to program the desired tracks.
- 4 Press ▶II (Play/Pause) button when programming is complete.
 

To confirm the program

- From Stop mode, press the Program button.
- Each time the button is pressed, track numbers will be shown on the display according to their program sequence.



To change the program

- To change the programmed tracks during program confirmation, use ◀◀ or ▶▶ to select the track to change.
- Press the Program button to add new tracks.

To cancel the program mode

- Press the Stop (■) button twice. The Program mode will also be canceled if the lid opens during programming.

To stop program playback

- Press the Stop (■) button.
- The total number of programmed tracks as well as the total number of tracks in a given disk will be shown on the display.
- Press ▶II (Play/Pause) button to resume program playback.



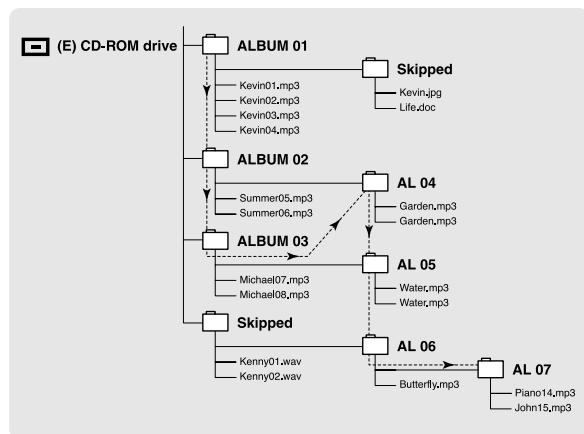
Warning

- During programming, if no action is performed for about 15 seconds, the player will automatically turn itself off to conserve battery power consumption.

Features

Playback sequence of albums and tracks

- When using Windows Explorer.
- The arrows indicate playback sequence of albums and tracks.
- Albums with .jpg, .wav or .doc are not audio files and therefore will be skipped.

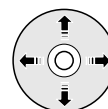


Maintaining and looking after your unit



Looking after your CDs

Wash the disc with a neutral detergent diluted in water, and then wipe gently with a soft dry cloth from the center of the disc to the outside.



Handling your CDs

Carefully pick up the disc by its edge without touching the disc's surface.

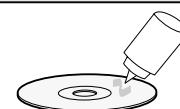


Do not attach stickers to the signal surface (the side with shiny, rainbow colors).

Do not write on the labeled (printed) side with a ballpoint pen or a pencil.



Do not clean this player with record spray or anti-static. Also do not use volatile chemicals such as benzene or thinners.





Troubleshooting Guide

Problem	Check
Unit has no power.	<ul style="list-style-type: none"> Did you insert the battery with the correct polarity? Are the batteries drained? Is the AC adaptor connected correctly? Is the door open?
Playback does not function.	<ul style="list-style-type: none"> Is the disc inserted correctly? Is the disc damaged or deformed? Has the unit been locked with the HOLD switch? Has the unit been moved from a cold place to a hot place? Abrupt change of temperature may cause condensation to form on the lens. Keep your CD Player in a warm place until the condensation on the lens has disappeared.
Headphones don't work.	<ul style="list-style-type: none"> Is the volume control on the unit at the minimum setting?
A sound or track is skipped.	<ul style="list-style-type: none"> Was the unit jolted or knocked? Is there dust, fingerprints or scratches on the disc?
Some of the MP3 files on a CD are not recognized.	<ul style="list-style-type: none"> Check if the unreadable files have .mp3 as their extension on your PC.



Specification

Frequency range	20Hz ~ 20KHz
Signal/noise ratio	85dB
Channel Separation	75dB, 1kHz, 0dB
Total harmonic distortion	0.08%
D/A conversion	1bit, 4 times Oversampling
Headphone output	300mV(RMS), 5.5mW/CH
Line out output	290mV(RMS)
Scope of playback supported	Bit Rate : 32~322kips Sampling frequency : 44.1KHz
DISC Sizes Diameter	120mm, 80mm
Dimensions	130(W) X 29.8(H) X 141.5(D)



File Compatibility

- The unit will playback files created in MP3 format (Mpeg1.Layer 3) with *.mp3 as their extension.
- Files created in MP2 format (Mpeg1.Layer2) with *.mp2 as their extension can also be played back.

How many MP3 files can a CD-R or CD-RW disc record?

- The maximum capacity of one CD-R or CD-RW disc is 650MB.
Normally, one MP3 file has a capacity of 4 MB, therefore approximately 170 files can be recorded on a single disc.



SAMSUNG
ELECTRONICS

Samsung Limited Warranty

Samsung Electronics Canada Inc. (SECA), warrants that this product is free from defective material and workmanship.

SECA further warrants that if this product fails to operate properly within the specified warranty period and the failure is due to improper workmanship or defective material SECA will repair or replace the product at its option.

All warranty repairs must be performed by a SECA authorized service centre. (The name and address of the location nearest you can be obtained by calling toll free 1-800-268-1620 or visiting our web site at www.samsung-canada.com)

<u>Labour</u>	<u>Parts</u>
one (1) year (carry-in)	one (1) year

On carry-in models, transportation to and from the service centre is the customer's responsibility.

The original dated sales receipt must be retained by the customer and is the only acceptable proof of purchase. It must be presented to the authorized service centre at the time service is requested.

Exclusions

This warranty does not cover damage due to accident, fire flood and/or other acts of God; misuse, incorrect line voltage, improper installation, improper or unauthorized repairs, commercial use, or damage that occurs in shipping. Exterior and interior finish, lamps and glass are not covered under this warranty. Customer adjustments which are explained in the instruction manual are not covered under the terms of this warranty. This warranty will automatically be voided for any unit found with a missing or altered serial number. This warranty is valid only on products purchased and used in Canada.